positioned between the inlet and the metals trap, wherein the second trap at least partially comprises [one of a phosphate and activated carbon] fish bone char.

- 2. (Original) The adsorption apparatus of claim 1 further comprising a pH controller, adjusting the pH of the wastewater to a predetermined range.
- 3. (Original) The adsorption apparatus of claim 2 wherein the predetermined range is pH 5.5-7.5.
- 4. (Original) The adsorption apparatus of claim 1 further comprising a first trap positioned between the inlet and the second trap which filters solids from the wastewater of greater than a predetermined size.
- 5. (Original) The adsorption apparatus of claim 4 wherein the predetermined size is about 5 microns.
- 6. (Original) The adsorption apparatus of claim 4 wherein the first trap comprises at least one of silica sand, charcoal, and coal.

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CONTRACTOR SECTION

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7. (Currently Amended) [The adsorption apparatus of claim 1 wherein the second trap comprises a calcium phosphate] An adsorption apparatus for treatment of wastewater comprising, in combination:

an inlet for the wastewater connected to a metals trap which adsorbs metals; and

a second trap which filters organic materials from the wastewater,

positioned between the injet and the metals trap, wherein the second trap at least

partially comprises an insoluble phosphate.

- 8. (Currently Amended) The adsorption apparatus of claim [1] 7 wherein the second trap contains bone char.
- 9. (Currently Amended) The adsorption apparatus of claim 8 wherein the [second trap contains fish bone char] the insoluble phosphate has a particle size greater than a mesh of 20/60.
- 10. (Original) The adsorption apparatus of claim 1 further comprising activated carbon in at least one of the second trap and the metals trap.
- 11. (Original) The adsorption apparatus of claim 1 wherein the metals trap comprises a metal oxyhydroxlde.

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- 12. ் (Currently Amended) The adsorption apparatus of claim 1 sfurther வைகள் வண்ணவரை we excomprising an additional exidizer incorporated as part of at least one of the executive accordance to 西班爾斯拉。 电离型积 工经证 metals trap and the second trap.
 - (Currently Amended) A method of adsorption and removal of impurities 13. from wastewater comprising, in combination the steps of:

restricting a size of the impurities to less than a predetermined size by passing the wastewater through a first chamber containing a solids trap; and passing the wastewater through a second chamber after passage through the first chamber, the second chamber containing a second trap for organic

materials [comprising a phosphate] at least partially comprising fish bone char;

wherein a permanganate is incorporated as part of at least one of the metals trap and the second trap.

- (Original) The method of claim 13 further comprising the steps of: 14. adjusting a pH and a temperature of the wastewater prior to introduction of the wastewater to the first chamber.
- (Currently Amended) The method of claim 13 further comprising the step 15. of:

passing the wastewater through a third chamber containing a third trap for adsorption of metals;

- 16. (Original) The method of claim 15 wherein each chamber is adapted for backwashing, permitting wastewater to be flushed out of each chamber separately.
- [17. (Withdrawn) A method of manufacturing fish bone char comprising, in combination, the steps of:

removing fat and oily residues from fish bone and fish parts;

heating the fish bone and fish parts in a reduced oxygen environment to a temperature of 500-900°C for 5 to 30 hours, producing fish bone char; and processing the fish bone char to a desired mesh size.

- 18. (Withdrawn) The method of manufacturing fish bone char of claim 17 wherein the step of removing fat and oily residues comprises one of rendering and boiling the fish bone and fish parts.
- 19. (Withdrawn) The method of manufacturing fish bone char of claim 17 wherein the fish bone char is processed to a mesh size of 4 to 400 mesh.

(Withdrawn) The method of manufacturing fish bone char of claim 19 回路 (Withdrawn) The method of manufacturing fish bone char of claim 19 回路 (Withdrawn) The method of manufacturing fish bone char of claim 19 回路 (Withdrawn) The method of manufacturing fish bone char of claim 19 回路 (Withdrawn) The method of manufacturing fish bone char of claim 19 回路 (Withdrawn) The method of manufacturing fish bone char of claim 19 回路 (Withdrawn) The method of manufacturing fish bone char of claim 19 回路 (Withdrawn) The method of manufacturing fish bone char of claim 19 回路 (Withdrawn) The method of manufacturing fish bone char of claim 19 回路 (Withdrawn) The method of manufacturing fish bone char of claim 19 回路 (Withdrawn) The method of manufacturing fish bone char of claim 19 回路 (Withdrawn) The method of claim 19 回路 (Withdrawn) The method of claim 19 回路 (Withdrawn) The method (Withdrawn) The Withdrawn) The method (Withdrawn) The Withdrawn) The withdrawn Th 20. wherein the fish bone char is processed to a mesh size of 4 to 30 mesh.

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